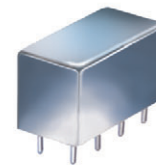


# Plug-In Power Splitter/Combiner

## PSC-4-1-75+ PSC-4-1-75

4 Way-0° 75Ω 1 to 200 MHz



CASE STYLE: A01  
PRICE: \$37.20 ea. QTY. (1-9)

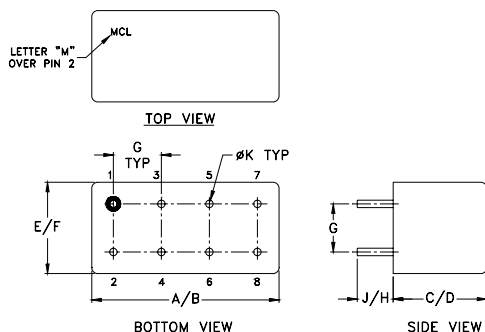
### Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.250W max.
Permanent damage may occur if any of these limits are exceeded.	

### Pin Connections

SUM PORT	4
PORT 1	7
PORT 2	8
PORT 3	1
PORT 4	2
GROUND	3,5,6
CASE GROUND	3,5,6

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031	grams	
5.08	5.08	3.56	0.79	5.2	

### Features

- low insertion loss, 0.5 dB typ.
- good isolation, 30 dB typ.
- rugged welded construction

### Applications

- HF/VHF
- amateur FM radio
- instrumentation

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

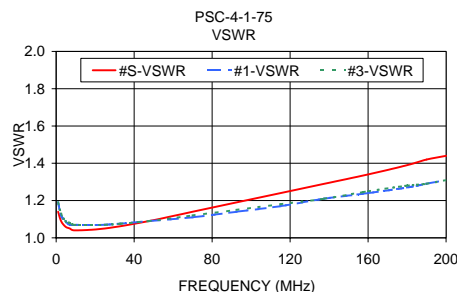
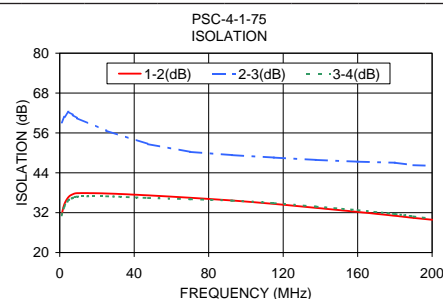
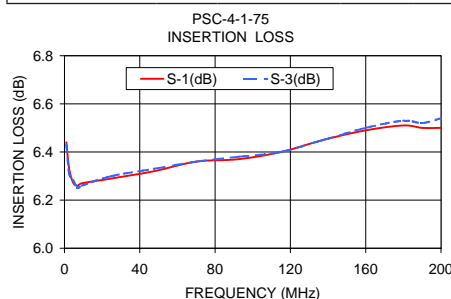
### Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			
	L		M		U		L		M		U		L	M	U	L	M	U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	
$f_L$ - $f_U$																			
1-200	30	20	25	20	25	20	0.4	0.7	0.5	0.9	0.7	1.2	2	3	4	0.15	0.2	0.3	

L = low range [ $f_L$  to 10  $f_L$ ] M = mid range [10  $f_L$  to  $f_U/2$ ] U = upper range [ $f_U/2$  to  $f_U$ ]

### Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR	VSWR	VSWR	VSWR	VSWR
	S-1	S-2	S-3	S-4		1-2	1-3	3-4		S	1	2	3	4
1.00	6.44	6.41	6.43	6.44	0.03	31.36	59.15	31.20	0.08	1.14	1.19	1.19	1.13	1.19
2.50	6.33	6.33	6.31	6.32	0.02	34.59	60.84	33.86	0.26	1.09	1.12	1.13	1.13	1.13
4.75	6.27	6.27	6.28	6.25	0.02	36.73	62.33	35.76	0.20	1.06	1.09	1.09	1.09	1.09
7.00	6.26	6.27	6.25	6.25	0.03	37.54	61.43	36.42	0.21	1.05	1.07	1.07	1.08	1.08
9.25	6.27	6.26	6.26	6.26	0.01	37.87	60.47	36.81	0.10	1.04	1.07	1.07	1.07	1.07
25.00	6.29	6.29	6.30	6.30	0.02	37.78	56.68	36.93	0.11	1.05	1.07	1.07	1.07	1.07
47.50	6.32	6.34	6.33	6.32	0.02	37.21	52.63	36.42	0.05	1.09	1.09	1.09	1.09	1.09
70.00	6.36	6.38	6.36	6.36	0.02	36.50	50.29	36.05	0.27	1.14	1.11	1.12	1.12	1.12
92.50	6.37	6.39	6.38	6.39	0.02	35.67	49.33	35.63	0.16	1.19	1.14	1.15	1.15	1.15
115.00	6.40	6.38	6.40	6.44	0.06	34.64	48.59	34.88	0.21	1.24	1.17	1.18	1.18	1.17
137.50	6.45	6.45	6.45	6.46	0.02	33.45	47.89	33.82	0.34	1.29	1.21	1.21	1.21	1.21
160.00	6.49	6.48	6.50	6.54	0.05	32.24	47.34	32.75	0.46	1.34	1.24	1.24	1.25	1.24
180.00	6.51	6.50	6.53	6.55	0.05	31.07	47.03	31.57	0.34	1.39	1.27	1.27	1.28	1.27
190.00	6.50	6.49	6.52	6.56	0.06	30.44	46.30	30.88	0.27	1.42	1.29	1.29	1.29	1.29
200.00	6.50	6.50	6.54	6.57	0.07	29.86	46.11	30.22	0.41	1.44	1.31	1.31	1.31	1.31



### electrical schematic



For detailed performance specs & shopping online see web site

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